Schena, Cristeen

From: Voorhees, Mark
Sent: Thursday, December 11, 2014 1:22 PM
To: Megan Moir; Steve Roy
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Subject: Possible consideration for IMP
Attachments: West Ave - TP Removal Alternatives Report 2010-06-16_SENT TO OWEN.DOCX; WEFTEC12-Presentation FINAL.PPTX; WEFTEC2012_Paper_FINAL.PDF

Hi Megan and Steve:

This is a follow-up to our discussion the other day related to the CSO treatment facility and the TMDL as well as having just reviewed Tetra Tech's work plan for the IMP assistance to Burlington.

I thought that Burlington might have interest in an approach that the City of Cambridge, MA is taking to address phosphorus loads from newly created separate storm sewer areas that were previously combined. As part of Cambridge's LTCP for CSO control and to address failing and aging infrastructure they are replacing combined sewer with separate storm sewers. Consequently, they will need to achieve a 62% reduction in P load from the newly created areas in order to comply with the proposed draft MA MS4 permit requirements designed to be consistent with the Charles River TMDL WLAs. Cambridge and their consultants have devised an approach to divert the early wash-off from the highly urbanized newly separated areas back into the combined system for treatment at the WWTF.

In Cambridge's case the reduced combined area does not result in reduced CSO discharges to the Charles River but does so further down in their system to Boston Harbor. In Burlington's case it may be a cost effective alternative to strategically separate some combined areas with the intent of reducing treated wet weather discharges from the CSO/wet weather treatment facility, while at the same time directing the dirtiest portions of impervious area wash-off events (~ first flush) from the newly separated areas.

Please consider the following and attached as an FYI for consideration as you begin work on the IMP evaluations.

Mark